



Infinite Computer Solutions (India) Ltd

KAMALAKANNAN SANJEEVAN



Software Configuration Management

SNAPSHOT

- MCA professional with over **15 years** of experience and 10 years in Software Configuration Management using **clearcase** performe, **GIT** and **SVN** and cloud technologies
- Currently associated with India Comnet International, Chennai, as Technical Manager -SCM
- Exposure in Clear Case/ UCM/ Clear Quest Administration, Build and Release Management and SQA activities, focussing on installation and setting up of Rational Clear Case development environment for project teams, data administration including backup and periodic maintenance.
- Experience with **OPENSTACK** with multi releases like Havana, Liberty and mitaka on redhat and Ubuntu versions. Have adequate knowledge in **Docker** for containerization and implementing the same along with Openstack
- Insightful knowledge of business process analysis and design, domain & technology expertise in User Administration, Config spec modification, License Administration & creating GUI settings using Installshield.
- Adept in acting as an ambassador of change for successful implementation of business solutions in organisations within pre-set budgets and deadlines.
- **IBM certified in Clearcase for Windows 000-630**
- **Red Hat Certified System Administrator in Red Hat OpenStack(160-105-656)**
- **CLOUDF EXIN Cloud Computing Foundation**
- **ITILF ITIL® Foundation Certificate in IT Service Management**
- Have experience in writing VBscripts and Javascripts as required as part of the Installshield registering process
- Have worked on creating the installation/directory structure for the installation of windows setups using Installshield with customised scripts
- Have enough knowledge on windows and UNIX administration required for the Build and release deployment requirements
- Have written make files for VB6, VB .Net and VC++ installation steps by co-ordinating with the development team in respect of the installation sequence
- Knowledge on the working of IIS and scripts to compile SQL server sequences in the build scripts
- Have setup **SVN server** along with JIRA and MySQL for an organisation for maintaining source control and Bug tracking. Users use TortoiseSVN to access the repositories.
- Involved in Quality related activities like TL9000, ISO and CMMI level metrics collection and validation.

ACADEMICS

- MCA from Madras University (Salem Sowdeswari college, Salem) between 1996 to 1999.

Training:

- Training on Rational Clear Case Administration, AIX Administration and Mumps from Sunquest Information Systems India Pvt. Ltd., Bangalore.



Infinite Computer Solutions (India) Ltd

TECHNICAL PROFICIENCY

Technical:

Operating Systems	MS-Windows 9x/ XP/ 2003 Server, Linux, Ubuntu, AIX
Version Control Tools	Rational Clear Case Multisite, CCRC, Perforce, GIT, SVN
Defect Tracking Tools	Rational Clear Quest Multisite
Code Review Tools	Code collaborator
Build Control Tools	Rational Build Forge, Ecloud.
Scripting Languages	Perl, Shell, ANT and NANT
Remote Tools	SmarTerm
Domain Expertise	Software Configuration Management.
Testing Expertise	Manual testing.
Cloud Technology	Openstack, Docker
Openstack Releases	Havana, Liberty and Mitaka

Functional:

- Augmenting the configuration management process for the product .
- Releasing and maintaining different versions/ patches for the software product.
- Working with development team in maintaining version control of the code base/documents.
- Developing and maintaining build/patch scripts for the product.
- Handling Linux Systems Administration on Linux platform.
- Strong understanding of GNU tools.
- Experience in writing Shell / Perl scripts for systems automation.

CAREER HIGHLIGHTS:

Project name : Tellabs 8800/8890/9100/9200

Growth Path:

Since Apr 12	Technical Manager
Apr'10 – Mar'12	Senior Technical Lead
Apr'09 - Mar'10	Lead – Tools Engineer

Project Overview:

Tellabs 8800 project is a multiservice router telecom project which was developed in C and maintained in a clearcase environment.

Roles and Responsibilities:

- Interact with the Client and work on the Release Plan
- Support the development, testing and support staff with the environment and tools needed for development, testing and release of the product and patch releases to the customers
- Work on a few reports and dashboards that will help monitor the progress of the project
- Support the onsite and offshore teams in resolving issues related to environment and code base
- Involved in Software Configuration Management using tools of ClearCase/UCM/ClearQuest Administration (Multisite), Perforce. Build and Release primarily focuses on installation and setting up of Rational Clear Case development environment for project teams.
- Responsible for User Administration including resolution of user access issues, data security responsibilities, License Administration, including license server administration, license key administration and establishment of license key policies, UCM Administration, which involved creating UCM PVOBs, UCM projects and streams and enabled the projects with Clear Quest. Installing Rational Clear Quest Multisite, which included setting up databases for replication, setting up shipping server for Multisite synchronization
- Generated the Synchronization report for all the VOB servers on a daily basis.
- Developed these automation scripts in PERL using a few perl modules.
- Point of contact at Chennai for doing biweekly builds using Ecloud and define a process for the builds, get it sanity tested by the test automation team and update the release notes on Twiki and publish the build



Infinite Computer Solutions (India) Ltd

Project : COE

Openstack environment (Havana) running on Ubuntu 12.04. Having a dedicated Controller and two nova compute blades with instances spawned using QEMU hypervisor and Neutron VLAN.

The instances are used with Glance Ubuntu instances and monitored over Horizon dashboard. This setup is used for SDN project

Setup Openstack environment in Liberty and move the existing dependency from Havana to liberty. Use Docker and setup docker swarm for the project. Create a DNS server and configure a docker registry to store containers locally.

Configure cinder and magnum as part of the feasibility for the prproject as well.

A shell script that installs liberty on a single node with Network can be found at my github -

<https://github.com/ksanjeedev/OpenstackScripts>. This is a modified version of the script by nembery, which reduces the installation and configuration of openstack by a few hours.

Project name : LAB/Radiology/Physician products

Growth Path:

Jan'08 – Jan'09 Senior Product Developer

Sep'05-Dec'07 Product Developer

Project Overview:

Sunquest Information system is a Healthcare domain company with its presence in Laboratory, Radiology and physician products in the US market.

Roles and Responsibilities:

- Involved in Software Configuration Management using tools of ClearCase/UCM/ClearQuest Administration (Multisite), Build and Release primarily focuses on installation and setting up of Rational Clear Case development environment for project teams, data administration including backup and periodic maintenance.
- Responsible for User Administration including resolution of user access issues, data security responsibilities, License Administration, including license server administration, license key administration and establishment of license key policies, UCM Administration, which involved creating UCM PVOBs, UCM projects and streams and enabled the projects with Clear Quest. Installing Rational Clear Quest Multisite, which included setting up databases for replication, setting up shipping server for Multisite synchronization
- Generated the Synchronization report for all the VOB servers on a daily basis.
- Developed these automation scripts in PERL using a few perl modules.
- Altered Installshield to support the additional functionalities using VBScript
- Created Nant script to build the .Net components and ANT script to compile the java components
- Implemented the same steps in Build Forge & CVS repository and added users to the repository on an AIX machine.

Technical Coordinator

Roles and Responsibilities:

- Linux System administration
- Writing scripts to do Linux administration tasks
 - To take periodical backup on Linux
 - Script to recursively add CVS users
 - Some basic administrative tasks using Perl and shell scripting
 - Scripts using Perl DBI to read the oracle database and retrieve data for the development team
 - Script to run CRONTAB jobs and get the status of each process

Projects Undertaken:

Title	Configuration Management
Role:	ClearCase/ClearQuest/UCM Administrator, Build and Release Engineer



Infinite Computer Solutions (India) Ltd

Duration: Apr 2009 – Till date

Highlights:

- Creating UCM enabled PVOBs, UCM projects and streams.
- Daily administration of 5 Clear Case servers and client machines and 4 sites, 3 sites at US and one at India.
- Performing daily synchronization checks for all the 5 servers.
- Delivering Clear Quest Activities (change set code) to streams across projects.
- Administering CQ enabled US and India streams and enabling merging between streams.
- Creating baselines, creating child streams, controlling access and creating triggers.
- Handled critical situations and worked with the team to take team decisions.
- Responsible to add users to enable them to access all SCM tools like Perforce, Clearquest, Code collaborator.
- Guide them with the individual build process using Ecloud servers

Title Configuration Management

Role: ClearCase/ClearQuest/UCM Administrator, Build and Release Engineer

Highlights:

- Creating UCM enabled PVOBs, UCM projects and streams.
- Daily administration of 5 Clear Case servers and client machines.
- Performing daily synchronization checks for all the 5 servers.
- Delivering Clear Quest Activities (change set code) to streams across projects.
- Administering CQ enabled US and India streams and enabling merging between streams.
- Creating baselines, creating child streams, controlling access and creating triggers.
- Importing code from other Version control tools into Clear Case, writing build scripts using nAnt for automated builds.
- Created Omake projects for builds & automated builds in Rational Build Forge tool.
- Performed around 250 builds & created installshield projects, wrote custom actions in VB and implemented Installshield as part of the build process.
- Handled critical situations and worked with the team to take team decisions.
- Helped the manager in pulling out data on a weekly basis and reporting team members' activities to the manager.

Project Name: Auto Installer

Role: Product Developer

Highlights:

- Creating area setup for testing and development on MUMPS.
- Writing scripts to read the database in Perl and shell scripting
- Performing administrative tasks on MUMPS

Project Name: Scripting

Duration:

Highlights:

- Writing Perl scripts to automate the builds.
 - Script to do the pre-build (pre_build.pl)
 - Script to package the database files (Mumps.pl)
 - Script to complete the GUI build (GUI_Bld.pl)
 - Implementing the same on Build Forge
- Writing scripts to do clear case administration tasks
 - Script to get the activity details from clearquest
 - Script to compare baseline and extract the code
 - Script to modify IBM script to get change set of the activities